Amendments to the Claims:

This listing of claims will replace all prior versions and listing, of claims in the application:

Listing of Claims:

Claim 1 (Currently Amended): A dynamic optimizing method for speed data used for preparing a speed instruction pattern fed to a servo motor in a positioning device, comprising:

calculating a desired speed pattern when a moving distance, speed, acceleration time and deceleration time are inputted; and

specifying a speed pattern preparation cycle by a user ~~without changing~~ and shifting a decimal part of the speed data right or left to prevent a maximum value of the speed data and a minimum resolution of the speed data from being changed.

Claim 2 (Previously Presented): The dynamic optimizing method for speed data according to Claim 1, further comprising selecting a combination of the maximum value and the minimum resolution of the speed data by the user.

Claim 3 (Canceled).